

CORDLESS CELLULAR SYSTEM

Abstract of the Disclosure

A mobile station communicates with both a cellular network, by which it is assigned a mobile identification number, and to a cordless cellular base station utilizing the same cellular frequency range and communications protocol. The cordless cellular base station is preferably connected to a public switched telephone network and is assigned a landline number. The cordless cellular base station acts as a conduit between the mobile station and the public switched telephone network. When the mobile station comes within range of a cordless cellular base station, it deregisters automatically from the cellular network and register with the cordless cellular base station. Once the mobile station is communicating with the cordless cellular base station, the cordless cellular base station communicates with the cellular network to instruct the cellular network to route all calls for mobile identification number to the cordless cellular base station's landline number. In addition, all calls placed on the mobile station are sent through the cordless cellular base station to the public switched telephone network. When the mobile station severs contact with the cordless cellular base station, the mobile station registers with the regional cellular base station of the regional cellular network. The cordless cellular base station then sends a network forwarding cancellation message to the cellular network to cancel the forwarding of calls for the mobile station's identification number. Once the mobile station is registered with the regional cell, calls to the mobile stations identification number are directly routed by the cellular network to the mobile station.

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